

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	10/521444	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/17 17:10
S2	4	("3885922" "6355109").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 11:50
S3	5631	118/715,723.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/12 13:09
S4	709	S3 and process\$3 adj chamber and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/12 13:10
S5	1	S4 and pumping adj cell	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/12 13:12
S6	85	S4 and (TMP turbo adj molecular adj pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/12 13:12
S7	45	S6 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:08
S8	50	("3297501"   "4223048"   "4282267"   "4401054"   "4461783"   "4512283"   "4539068"   "4572842"   "4668365"   "4716852").PN. OR ("4949671").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/12 13:29

## EAST Search History

S9	51	("3656454"   "4512283"   "4558388"   "4565601"   "4724621"   "4771730"   "4795529"   "4798165"   "4828369"   "4848273"   "4876983"   "4918031"   "4949671"   "4960488"   "4975252"   "4986890"   "4990229"   "5000113"   "5091049"   "5105761"   "5122251"   "5124014"   "5200232"   "5223457"   "5234529"   "5310452"   "5314845"   "5330610"   "5376628"   "5378311"   "5389154"   "5449432"   "5522937"   "5525159"   "5534231"   "5537004"   "5540800"   "5545591"   "5554223"   "5556501"   "5587344"   "5597439"   "5614055"   "5618382"   "5626679"   "5681418"   "5707692"   "5792272"). PN. OR ("6178918").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/12 13:38
S10	630	lund-j\$.xa,xp.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 08:39
S11	219	S10 and (ald height)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 11:28

## EAST Search History

S12	65	( "20020005400"   "20020017618"   "20020104619"   "20020137311"   "20030029859"   "20030031793"   "20030124820"   "20030209326"   "20030235983"   "20030236642"   "4694779"   "5244501"   "5269847"   "5334277"   "5455070"   "5484486"   "5522934"   "5525157"   "5551985"   "5571329"   "5653808"   "5725673"   "5772771"   "5830277"   "5874711"   "5879459"   "5916369"   "5930456"   "5960158"   "5970214"   "5970382"   "5973447"   "5993555"   "5997175"   "6001175"   "6027244"   "6034357"   "6056434"   "6056823"   "6075922"   "6113984"   "6139641"   "6160242"   "6174651"   "6200023"   "6200634"   "6204484"   "6210484"   "6222990"   "6223684"   "6281141"   "6293696"   "6310328"   "6359263"   "6403923"   "6413884"   "6500266"   "6514876"   "6559424"   "6562720"   "6610967"   "6638876"   "6646235"   "6666921"   "RE36957").PN. OR ("6902622").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 09:18
S13	155	( "4533410"   "4533820"   "4689247"   "4828224"   "4836138"   "4846102"   "4976996"   "4993360"   "5077875"   "5119760"   "5194401"   "5336327"   "5749974"   "5788447").PN. OR ("5879459").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 09:27
S14	34	( "20010000866"   "4058430"   "4389973"   "4413022"   "4780817"   "4840921"   "4940213"   "5102637"   "5114683"   "5166092"   "5300186"   "5316793"   "5417934"   "5601651"   "5688479"   "5819683"   "5855675"   "5855680"   "5879459"   "5916365"   "5928426"   "6015590"   "6063197"   "6093253"   "6099649"   "6193802"   "6197119"   "6200893"   "6223684"   "6238514"   "6305314"   "6306216"   "6506352"   "6770145").PN. OR ("7060132").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 09:36

## EAST Search History

S15	101	( "20010041122"   "20030160239"   "20030219977"   "4797054"   "4828224"   "4889609"   "4895107"   "4949783"   "4951601"   "4990047"   "5071460"   "5080549"   "5121705"   "5186718"   "5192371"   "5199483"   "5217501"   "5223001"   "5229615"   "5286296"   "5388944"   "5391035"   "5433785"   "5462397"   "5516732"   "5520742"   "5520743"   "5538390"   "5571330"   "5586585"   "5609459"   "5609689"   "5611655"   "5613821"   "5630690"   "5651868"   "5664925"   "5683072"   "5697750"   "5730801"   "5752796"   "5784799"   "5785796"   "5788447"   "5810538"   "5810942"   "5816718"   "5820692"   "5855681"   "5857848"   "5879459"   "5882165"   "5882413"   "5883017"   "5885675"   "5897710"   "5900105"   "5913978"   "5934856"   "5970717"   "5974682"   "5975740"   "5976312"   "6000227"   "6022586"   "6042623"   "6045315"   "6048154"   "6053686"   "6053980"   "6063203"   "6071055"   "6073366"   "6074538"   "6096135"   "6106634"   "6108937"   "6113704"   "6120605"   "6149365"   "6154301"   "6162299"   "6193803"   "6224312"   "6224679"   "6234107"   "6236903"   "6261048"   "6264804"   "6280134"   "6283060"   "6286230"   "6305898"   "6312525"   "6464825"   "6488775"   "6488778"   "6536136"   "6551045"   "6609869"   "6709521").PN. OR ("7021881").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 09:48
S16	51	( "2766022"   "4094722"   "4100055"   "4148705"   "4151034"   "4158589"   "4160690"   "4209357"   "4231695"   "4419923"   "4534314"   "4539062"   "4547247"   "4585920"   "4793975"   "4795299"   "4816638"   "4861563"   "4969790"   "5024747"   "5058526"   "5076205"   "5092728"   "5154730"   "5232508"   "5245736"   "5314574"   "5388944"   "5460684"   "5516367").PN. OR ("5883017").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 10:01
S17	66	( "3874525"   "4405435"   "4553069"   "4592306"   "4705951"   "4709655"   "4715637"   "4747928"   "4828224"   "4874312"   "4909695"   "4917556").PN. OR ("4990047").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 10:26

## EAST Search History

S18	78	("3087603"   "3562140"   "3656454"   "3874525"   "3939798"   "3993909"   "4275978"   "4336438"   "4405435"   "4453347"   "4465416"   "4498416"   "4501527"   "4548699"   "4582191"   "4643627"   "4735540").PN. OR ("4909695").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 10:35
S19	15	("4768921"   "5328722"   "5350275"   "5364667"   "5387079"   "5482430"   "5540783"   "5578131"   "5688106"   "5750436"   "5792272"   "5924841"   "5972114").PN. OR ("6355109").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 11:03
S20	37	(US-20050034767-\$ or US-20030209326-\$ or US-20030124820-\$ or US-20010041122-\$).did. or (US-6375750-\$ or US-6178918-\$ or US-7090751-\$ or US-7051759-\$ or US-5597439-\$ or US-7077159-\$ or US-6080679-\$ or US-6991710-\$ or US-7114903-\$ or US-6921467-\$ or US-6905547-\$ or US-6902622-\$ or US-6056823-\$ or US-5879459-\$ or US-7135369-\$ or US-7115494-\$ or US-7094685-\$ or US-7060132-\$ or US-6306216-\$ or US-5916365-\$ or US-5855675-\$ or US-7022948-\$ or US-7021881-\$ or US-6283060-\$ or US-6224679-\$ or US-5883017-\$).did. or (US-6969227-\$ or US-6331095-\$ or US-4151034-\$ or US-4909695-\$ or US-D473354-\$ or US-5215420-\$ or US-6645344-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/01/31 11:05
S21	37	S20	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 11:08
S22	94	S11 and inch\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 11:35
S23	93	S11 and inch\$3 and height	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 11:26

## EAST Search History

S24	28	"5006760"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 11:26
S25	76	S10 and (ald height) and inches	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 11:28
S26	18	S22 not S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 11:35
S27	361	tokyo adj electron adj limited.as. and (tmp turbo adj molecular adj pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:17
S28	123	S27 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 11:02
S29	0	("2003/0041970").URPN.	USPAT	OR	OFF	2007/01/31 11:57
S30	16	("4624617"   "4742286"   "4790258"   "4836733"   "4917556"   "5202716"   "5288379"   "5417537"   "5447409"   "5554914"   "5709291"   "5793184"   "6008622"   "6285102").PN. OR ("6634845").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 12:04
S31	11	("4816113"   "4971667"   "5368685"   "5512102").PN. OR ("5611863").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/01/31 12:12
S32	229	tokyo adj electron adj limited.as. and (process\$3 adj chamber) and inch\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 12:42

## EAST Search History

S33	140	tokyo adj electron adj limited.as. and (process\$3 adj chamber) and inch\$3 and aluminum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 12:21
S34	122	S33 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 12:21
S35	41	tokyo adj electron adj limited.as. and (process\$3 adj chamber) and inch\$3 and aluminum and height	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 12:21
S36	33	S35 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 12:45
S37	3	tokyo adj electron adj limited.as. and (plate adj stock same aluminum) and (thickness near\$2 inches)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:02
S38	18	tokyo adj electron adj limited.as. and (height same inches)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 12:45
S39	14	S38 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/01/31 12:45
S40	1489	(process\$3 adj chamber) and plasma and liner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 08:57

## EAST Search History

S41	1469	S40 not blood	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 08:57
S42	1489	(process\$3 adj chamber) and plasma and liner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 08:57
S43	1469	S42 not blood	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 08:57
S44	1010	S43 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 09:13
S45	0	("2007/0012657").URPN.	USPAT	OR	OFF	2007/02/08 09:11
S46	332	S44 and volume	USPAT	OR	OFF	2007/02/08 09:11
S47	332	S44 and volume and liner	USPAT	OR	OFF	2007/10/19 08:49
S48	58	S44 and (liner same volume)	USPAT	OR	OFF	2007/02/08 09:12
S49	94	S43 and (@ad<="20020731" @rlad<="20020731") and (volume same liner)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 09:33
S50	57	S49 and (chamber adj liner)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 10:57
S51	0	2003/0038111	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 10:57

## EAST Search History

S52	2	"2003003811"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 10:57
S53	363	tokyo adj electron adj limited.as. and (tmp turbo adj molecular adj pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 11:02
S54	123	S53 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 11:02
S55	9	S54 and liner	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 12:04
S56	89	"4909695"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 12:28
S57	4	"6634845"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 12:31
S58	9	"5611863"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 12:47
S59	30	"5874012"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 12:48

## EAST Search History

S60	6	"6815365"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 12:51
S61	29	"5445709"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 13:59
S62	2	"5611863".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:12
S63	2	60/291337	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:12
S64	8	("4431901"   "5304282"   "5405480"   "5560844"   "5584971"   "5680014"   "5681418"   "6245202").PN. OR ("7163603").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 14:14
S65	3230	tokyo adj electron adj limited.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:25
S66	2157	S65 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:17
S67	2	S66 and molding adj process	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:18

## EAST Search History

S68	119	(process\$3 adj chamber)and (molding adj process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:19
S69	17	(process\$3 adj chamber)same (molding adj process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:20
S70	13	(process\$3 adj chamber) with (molding adj process)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:20
S71	0	("2564203").URPN.	USPAT	OR	OFF	2007/02/08 14:23
S72	59	tokyo adj electron adj limited.as. and Fink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 15:13
S73	23113635	11and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:26
S74	16	S72 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 15:14
S75	0	tokyo adj electron adj limited.as. and Fink and cast\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:57
S76	92	tokyo adj electron adj limited.as. and cast\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 14:57

## EAST Search History

S77	53	S76 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 15:10
S78	1533	tokyo adj electron adj limited.as. and (process\$3 adj chamber)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 15:13
S79	895	S78 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 15:14
S80	38	S79 and (mold\$3 cast\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 15:49
S81	2	"5685942".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 16:05
S82	4	"6905079".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 16:16
S83	2	"6634845".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/08 16:16
S84	65	integra\$3 adj (pump and valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 09:41

## EAST Search History

S85	71	integra\$3 adj (pump and valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/14 09:41
S86	56	S85 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 10:39

## EAST Search History

S87	78	(US-20050034767-\$ or US-20030051665-\$ or US-20070012657-\$ or US-20030124820-\$ or US-20030209326-\$ or US-20010041122-\$ or US-20030041970-\$ or US-20030146085-\$ or US-20010016166-\$ or US-20060088985-\$ or US-20030198754-\$ or US-20030132319-\$ or US-20030101938-\$ or US-20030038111-\$ or US-20050003675-\$ or US-20020155010-\$ or US-20010041143-\$).did. or (US-6331095-\$ or US-4151034-\$ or US-4909695-\$ or US-D473354-\$ or US-5215420-\$ or US-6511577-\$ or US-5611863-\$ or US-5455082-\$ or US-7077159-\$ or US-6080679-\$ or US-7051759-\$ or US-7114903-\$ or US-7090751-\$ or US-6991710-\$ or US-6921467-\$ or US-6178918-\$ or US-6375750-\$ or US-5597439-\$ or US-6902622-\$ or US-6905547-\$ or US-6951587-\$ or US-6056823-\$ or US-5879459-\$ or US-7135369-\$ or US-7115494-\$ or US-7094685-\$).did. or (US-7060132-\$ or US-7022948-\$ or US-7021881-\$ or US-6645344-\$ or US-6306216-\$ or US-5916365-\$ or US-5855675-\$ or US-6283060-\$ or US-6224679-\$ or US-5883017-\$ or US-6969227-\$ or US-6634845-\$ or US-7030037-\$ or US-5368685-\$ or US-6905079-\$ or US-6873113-\$ or US-6893506-\$ or US-5685942-\$ or US-6158141-\$ or US-5173641-\$ or US-5954702-\$ or US-7033444-\$ or US-6485277-\$ or US-6382249-\$ or US-6162602-\$ or US-6058912-\$ or US-5972210-\$).did. or (US-5848615-\$ or US-5482187-\$ or US-5284179-\$ or US-5261573-\$ or US-5057076-\$ or US-3885389-\$).did. or (WO-2003071109-\$ or EP-213048-\$). did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/06/14 10:21
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## EAST Search History

S88	13	S87 and (seal same o adj ring oring same pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 10:37
S89	0	process adj chamber same (flange with (seal o adj ring oring) with valve with pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 10:39
S90	214	(flange with (seal o adj ring oring) with valve with pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 10:43
S91	107	S90 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 10:43
S92	22	(flange with (o adj ring oring) with valve with pump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 10:43
S93	14	S92 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 11:31
S94	2	"5057076".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 11:34
S95	4	"3885389".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 11:37

## EAST Search History

S96	2	"20010041143"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/14 11:37
S97	8875187	process\$3 adjc (chamber apparatus) and ((vacuum adj pump) same valve seal blind adj flange flange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 07:32
S98	36108	process\$3 adj (chamber apparatus) and ((vacuum adj pump) same valve seal blind adj flange flange)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 07:32
S99	8234	process\$3 adj (chamber apparatus) and ((vacuum adj pump) same valve seal blind adj flange flange)and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 07:33
S100	2000	process\$3 adj (chamber apparatus) and (vacuum adj pump) with (valve seal blind adj flange flange)and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 07:48
S101	1300	S100 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 07:49
S102	17	process\$3 adj (chamber apparatus) and (vacuum adj pump) with ((multiple plurality) same (valve seal blind adj flange flange)) and plasma	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 07:48
S103	17	S102 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/27 07:49

## EAST Search History

S10 4	445	process\$3 adj chamber with (vacuum adj pump same (port blind adj plate flange))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/17 17:14
S10 5	267	S104 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/17 17:14
S10 6	37	process\$3 adj chamber with (vacuum adj pump same (blind adj plate flange))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/17 17:23
S10 7	19	S106 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:34
S10 8	59	process\$3 adj chamber with (pump with (blind adj plate flange))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/17 17:23
S10 9	29	S108 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/17 17:24
S11 0	17	S109 not S107	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/17 17:24
S11 1	49	pump\$5 same redundan\$3 same valves same plurality	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:38

## EAST Search History

S11 2	4	pump\$5 same redundan\$3 same valves same plurality same vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:34
S11 3	3	S112 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:35
S11 4	33	S111 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:38
S11 5	0	pump\$5 same redundan\$3 same valves same plurality and process\$3 adj (chamber apparatus)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:37
S11 6	1	pump\$5 same redundan\$3 same valves same plurality and process\$3 adj (chamber apparatus)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:37
S11 7	484	pump\$5 same redundan\$3 same valves	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:46
S11 8	16	pump\$5 same redundan\$3 same valves and process\$3 adj (chamber apparatus)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:38
S11 9	8	S118 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:46

## EAST Search History

S12 0	0	process\$3 adj chamber with vacuum adj pump same redundan\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:42
S12 1	3	process\$3 adj chamber with vacuum adj pump same valves same maintenance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:43
S12 2	5	process\$3 adj chamber same vacuum adj pump same valves same maintenance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:44
S12 3	344	S117 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 07:04
S12 4	49	pump\$5 same redundan\$3 same valves same plurality	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 07:03
S12 5	33	S124 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:46
S12 6	14	S117 and (@ad<="20020731" @rlad<="20020731") and (wafer semiconductor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 06:47
S12 7	32	pump\$5 same redundan\$3 same valves same vacuum	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 07:03

## EAST Search History

S12 8	16	S127 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 07:16
S12 9	96	process\$3 adj (chamber apparatus) with vacuum same valve same maintenance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 07:15
S13 0	53	S129 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 07:55
S13 1	3	S121 and S122	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 07:32
S13 2	0	process\$3 adj chamber same vacuum adj pump same in adj line adj spare	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 07:46
S13 3	4	process\$3 adj chamber same vacuum adj pump same spare	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 07:59
S13 4	15	wafer and vacuum adj pump same spare	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 07:54
S13 5	13	S134 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:00

## EAST Search History

S13 6	9	process\$3 adj chamber same spare adj (vacuum pump valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:00
S13 7	0	process\$3 adj chamber same spare adj (vacuum adj pump valve)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:00
S13 8	7	S136 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:05
S13 9	0	spare adj (vacuum exhaust) adj pump and process\$3 adj chamber	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:02
S14 0	1	spare adj (vacuum exhaust) adj pump and valve	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/10/19 08:02

## EAST Search History

S14 1	98	(US-20010016166-\$ or US-20030051665-\$ or US-20050034767-\$ or US-20010041122-\$ or US-20030041970-\$ or US-20030146085-\$ or US-20030209326-\$ or US-20030124820-\$ or US-20050003675-\$ or US-20030198754-\$ or US-20070012657-\$ or US-20060088985-\$ or US-20030101938-\$ or US-20030132319-\$ or US-20030038111-\$ or US-20020155010-\$ or US-20010041143-\$ or US-20070108395-\$ or US-20070077737-\$ or US-20070017798-\$ or US-20070193573-\$ or US-20060254716-\$ or US-20060234514-\$ or US-20030160045-\$ or US-20040013923-\$ or US-20070077134-\$).did. or (US-6375750-\$ or US-5597439-\$ or US-6178918-\$ or US-6921467-\$ or US-7115494-\$ or US-7060132-\$ or US-7135369-\$ or US-7022948-\$ or US-5879459-\$ or US-6991710-\$ or US-7090751-\$ or US-7114903-\$ or US-6080679-\$ or US-6902622-\$ or US-7051759-\$ or US-7077159-\$ or US-6905547-\$ or US-7094685-\$ or US-6056823-\$ or US-7021881-\$ or US-6645344-\$ or US-6306216-\$ or US-5916365-\$ or US-5855675-\$ or US-6283060-\$ or US-5883017-\$).did. or (US-6224679-\$ or US-6969227-\$ or US-4151034-\$ or US-6331095-\$ or US-4909695-\$ or US-D473354-\$ or US-5215420-\$ or US-6634845-\$ or US-6511577-\$ or US-5455082-\$ or US-7030037-\$ or US-6893506-\$ or US-5368685-\$ or US-5611863-\$ or US-5685942-\$ or US-6873113-\$ or US-6905079-\$ or US-6158141-\$ or US-5173641-\$ or US-7033444-\$ or US-5954702-\$ or US-6162602-\$ or US-6058912-\$ or US-5972210-\$ or US-5848615-\$ or US-5380396-\$ or US-5284179-\$).did. or (US-5261573-\$ or US-3885389-\$ or US-6796324-\$ or US-6951587-\$ or US-6485277-\$ or US-6382249-\$ or US-5482187-\$ or US-5057076-\$ or US-4023836-\$ or US-6576061-\$ or US-6183615-\$ or US-5901558-\$ or US-5901760-\$ or	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2007/10/19 08:04
10/19/2007 12:30:32 PM C:\Documents and Settings\Schandra\My Documents\EAST\Workspaces\10521444.wsp					Page 22	

## EAST Search History

S14 2	62	S141 and (size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:06
S14 3	57	S142 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:07
S14 4	38	S141 and maintenance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:07
S14 5	33	S144 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:07
S14 6	0	2004/0250765	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:49
S14 7	2	"20040250765"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:50
S14 8	2	"7030037".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 08:50
S14 9	16	process\$3 adj (chamber apparatus) and (plate adj stock same aluminum) and (thickness near\$2 inches)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:07

## EAST Search History

S15 0	14	S149 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:03
S15 1	9	S150 not Fink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:03
S15 2	5333	process\$3 adj (chamber apparatus) and (plate same aluminum) and (thickness near\$2 inches)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:07
S15 3	158	process\$3 adj (chamber apparatus) and (aluminum adj plate) with (thickness near\$2 inches)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:24
S15 4	101	S153 and (@ad<="20020731" @rlad<="20020731")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:25
S15 5	100	S154 not Fink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:08
S15 6	100	S153 and (@ad<="20020731" @rlad<="20020731") not Fink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:22
S15 7	6	process\$3 adj (chamber apparatus) same (aluminum adj plate) with (thickness near\$2 inches)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:26

## EAST Search History

S15 8	2	S157 and (@ad<="20020731" @rlad<="20020731") not Fink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:26
S15 9	6116	process\$3 adj (chamber apparatus) same (aluminum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:26
S16 0	2582	process\$3 adj (chamber apparatus) with (aluminum)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:26
S16 1	1619	S160 and (@ad<="20020731" @rlad<="20020731") not Fink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/19 10:26